

Shadows on the Land

Public Health in the First Decade of the 21st Century

Philadelphia, PA March 24, 2004

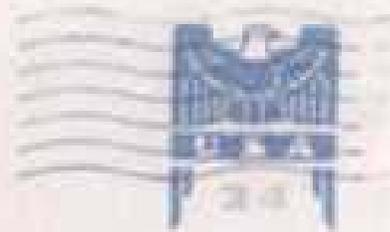
Ed Thompson, MD, MPH

Deputy Director for Public Health Services
Centers for Disease Control and Prevention

SAFER • HEALTHIER • PEOPLE™



4TH GRADE
GREENDALE SCHOOL
FRANKLIN PARK NJ 08852



ANTHRAX

SENATOR D. ...
109 HARRIS SENATE OFFICE
BUILDING

WASHINGTON DC 20534

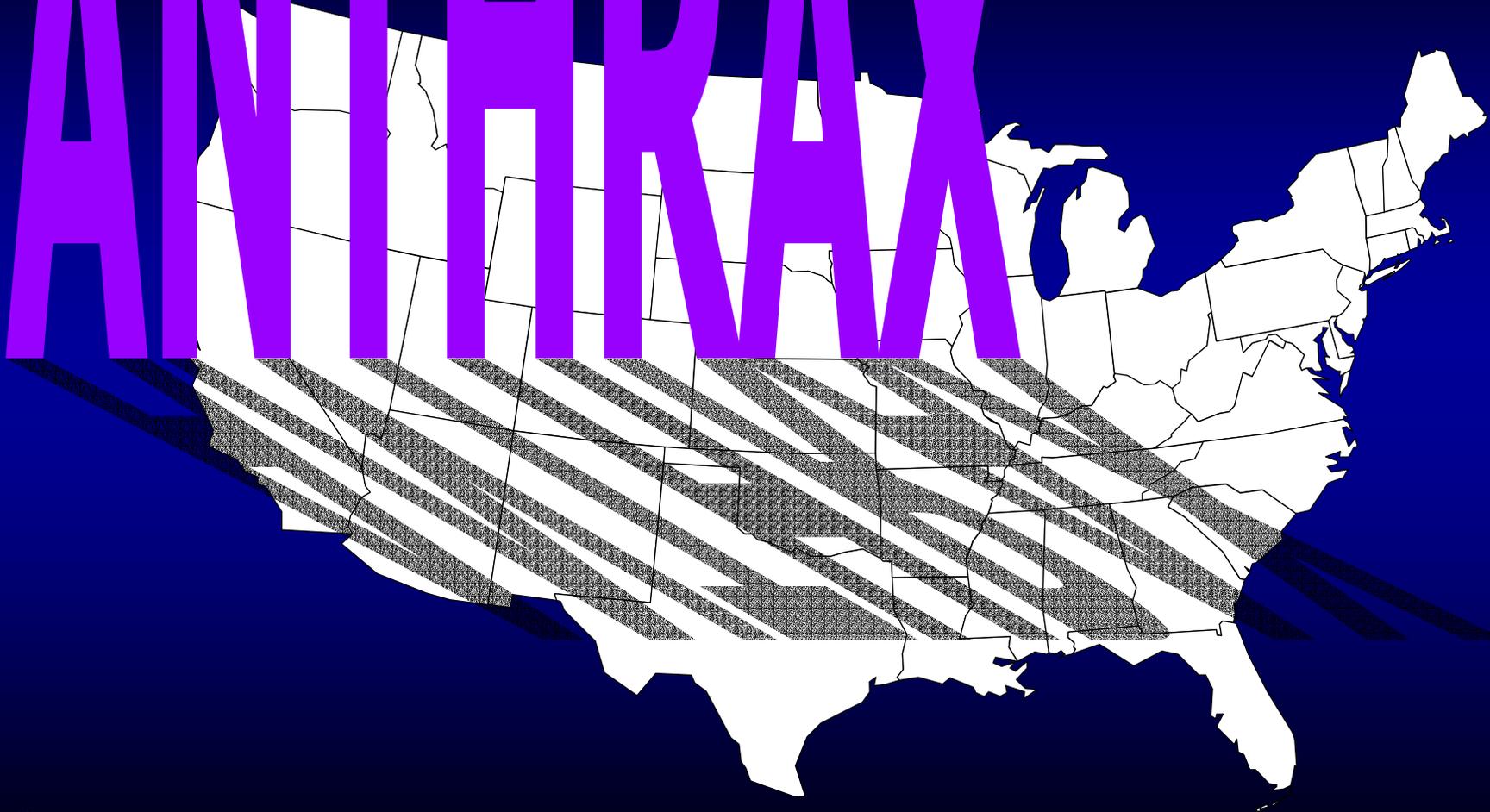
20510/4103



SAFER • HEALTHIER • PEOPLE™



ANTHRAX



SAFER • HEALTHIER • PEOPLE™



BIOTERRORISM



SAFER • HEALTHIER • PEOPLE™



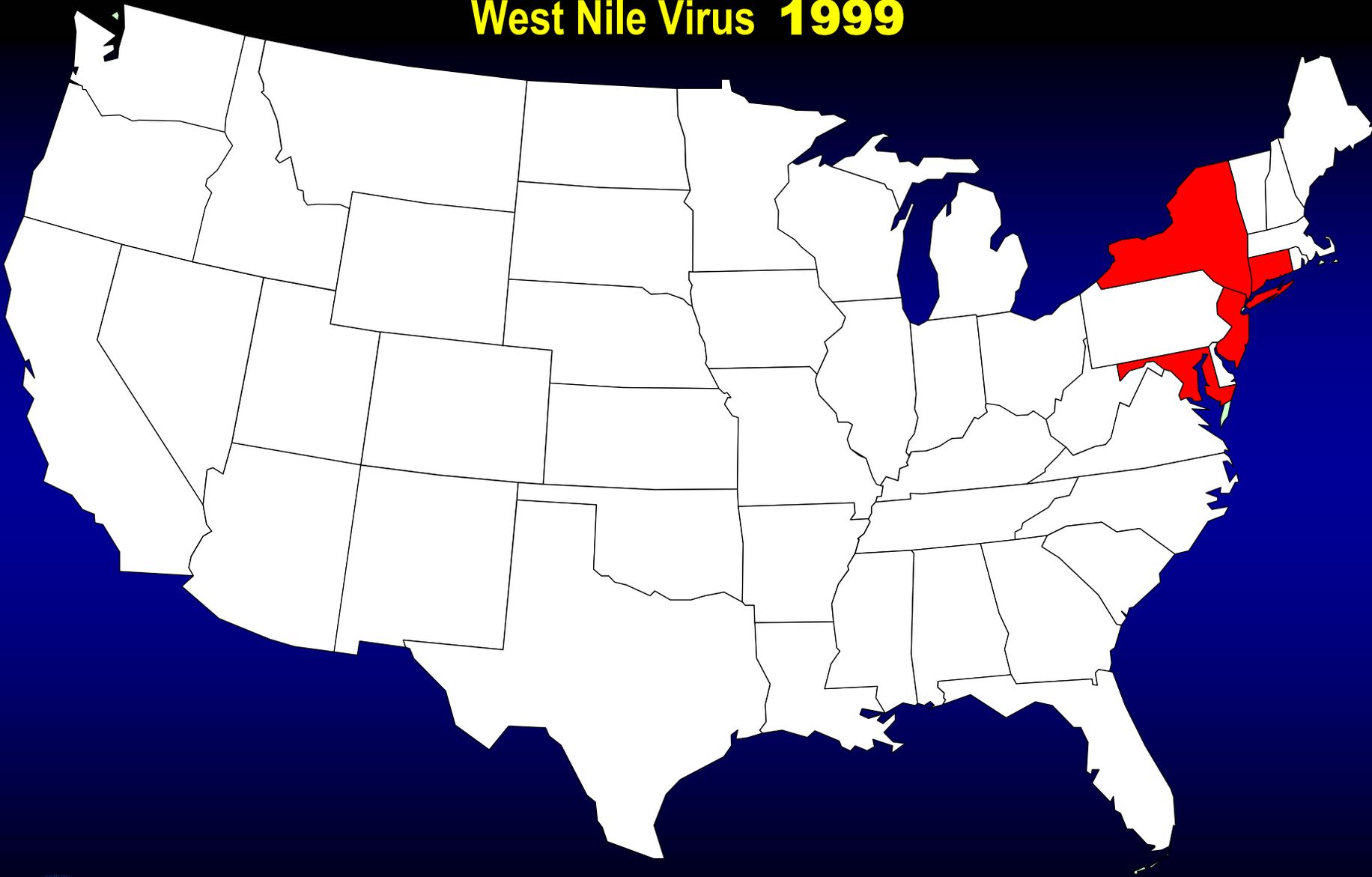
West Nile Virus



SAFER • HEALTHIER • PEOPLE™



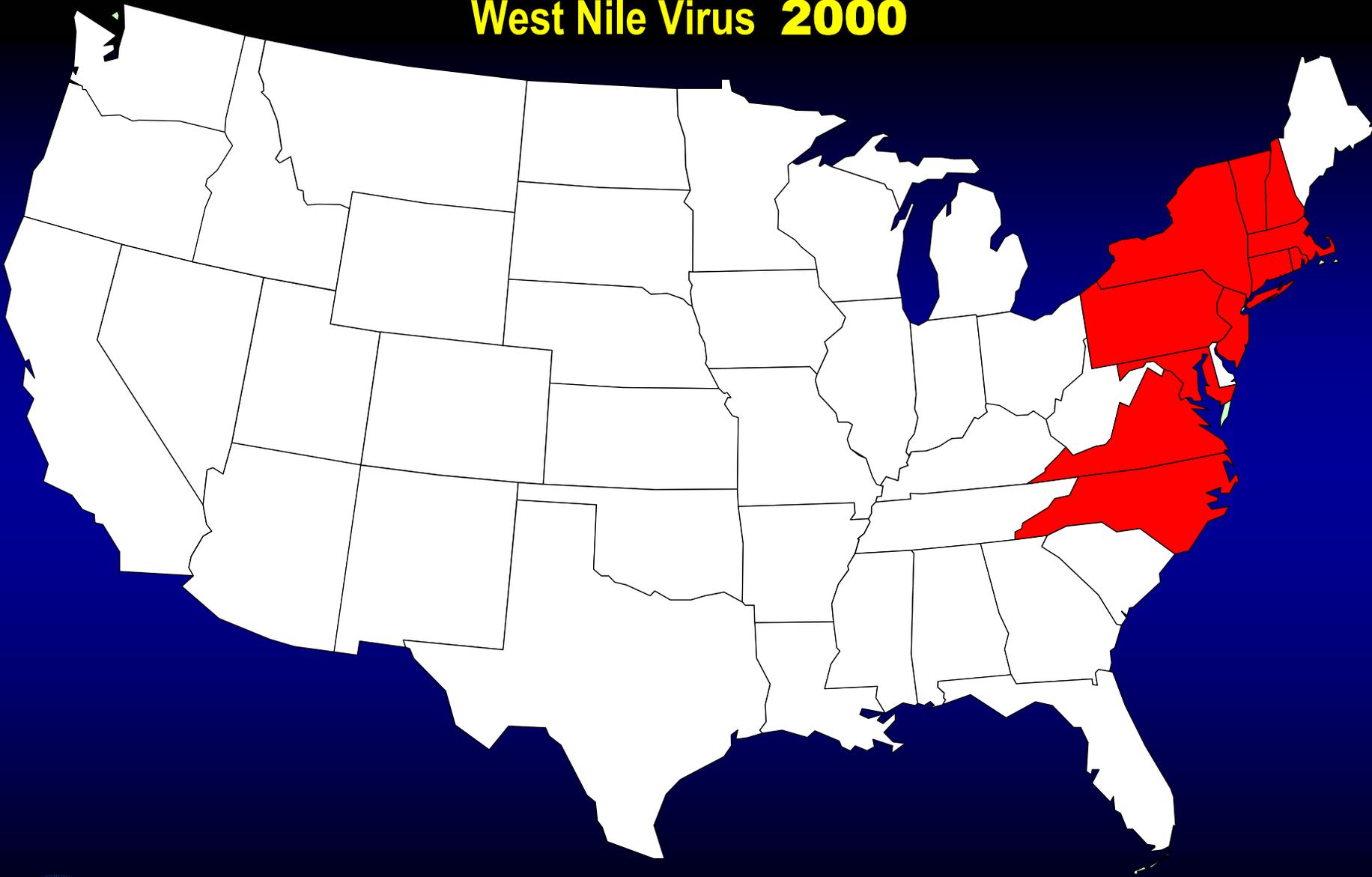
West Nile Virus 1999



SAFER • HEALTHIER • PEOPLE™



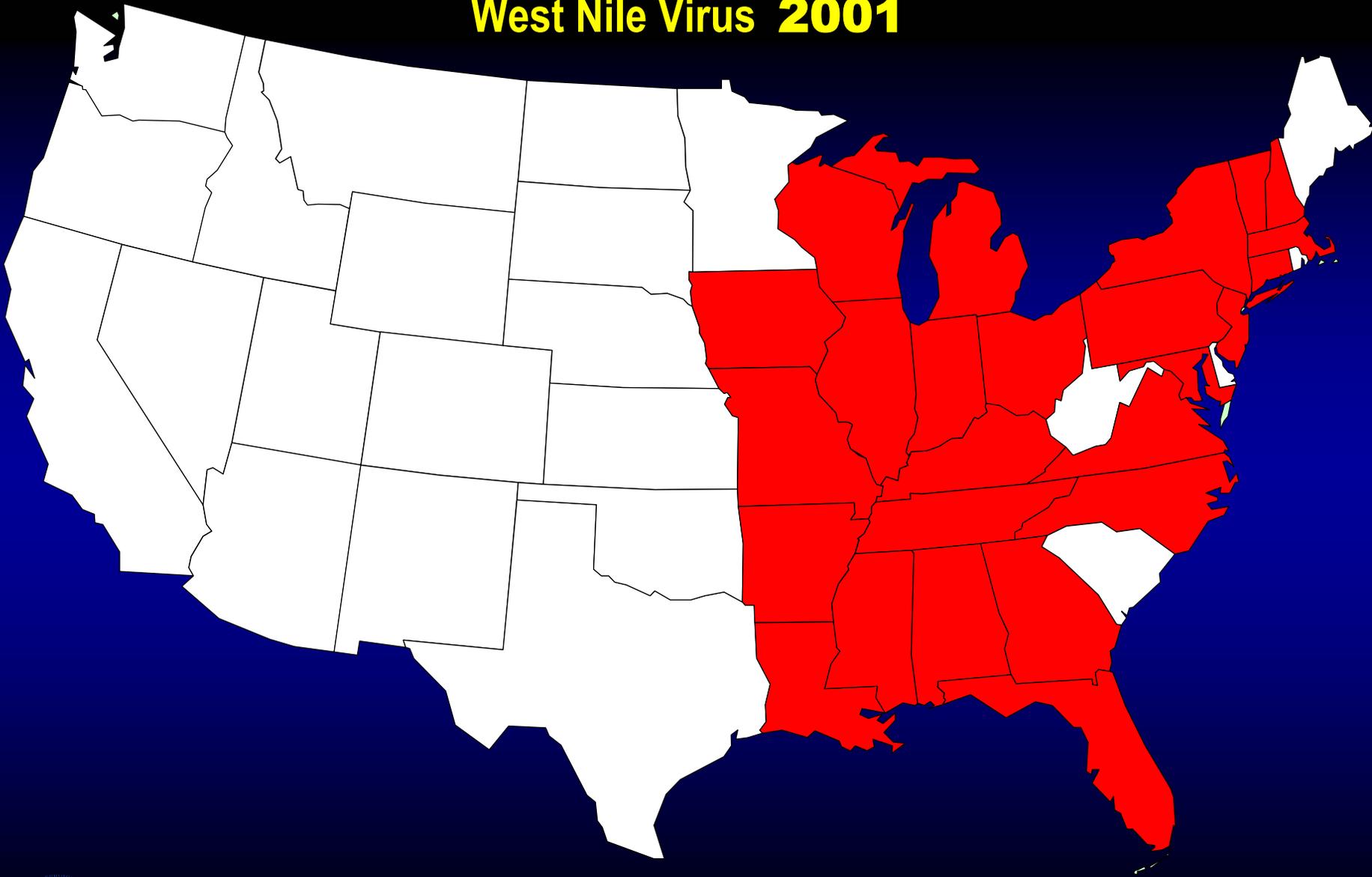
West Nile Virus 2000



SAFER • HEALTHIER • PEOPLE™



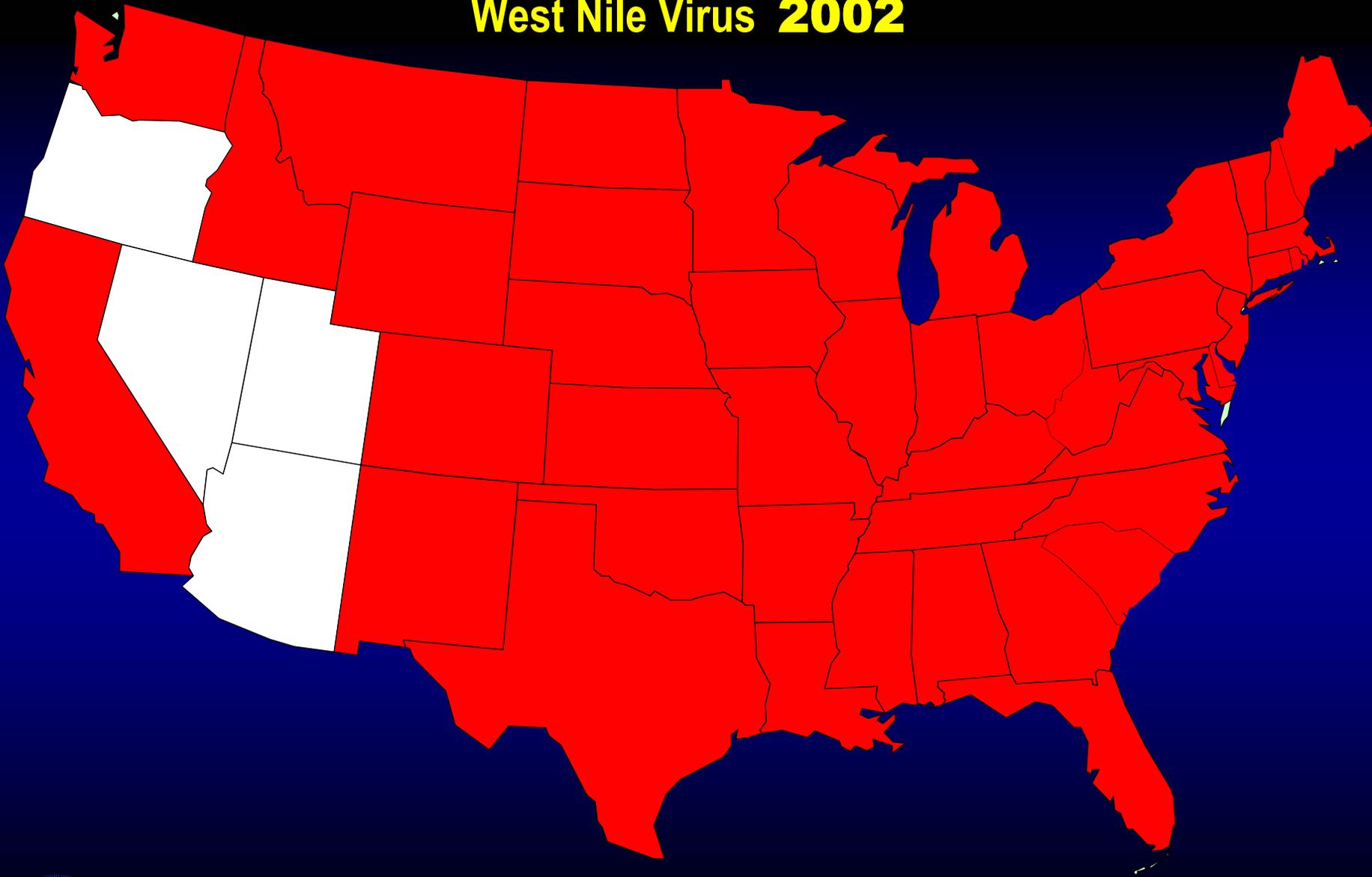
West Nile Virus 2001



SAFER • HEALTHIER • PEOPLE™



West Nile Virus 2002

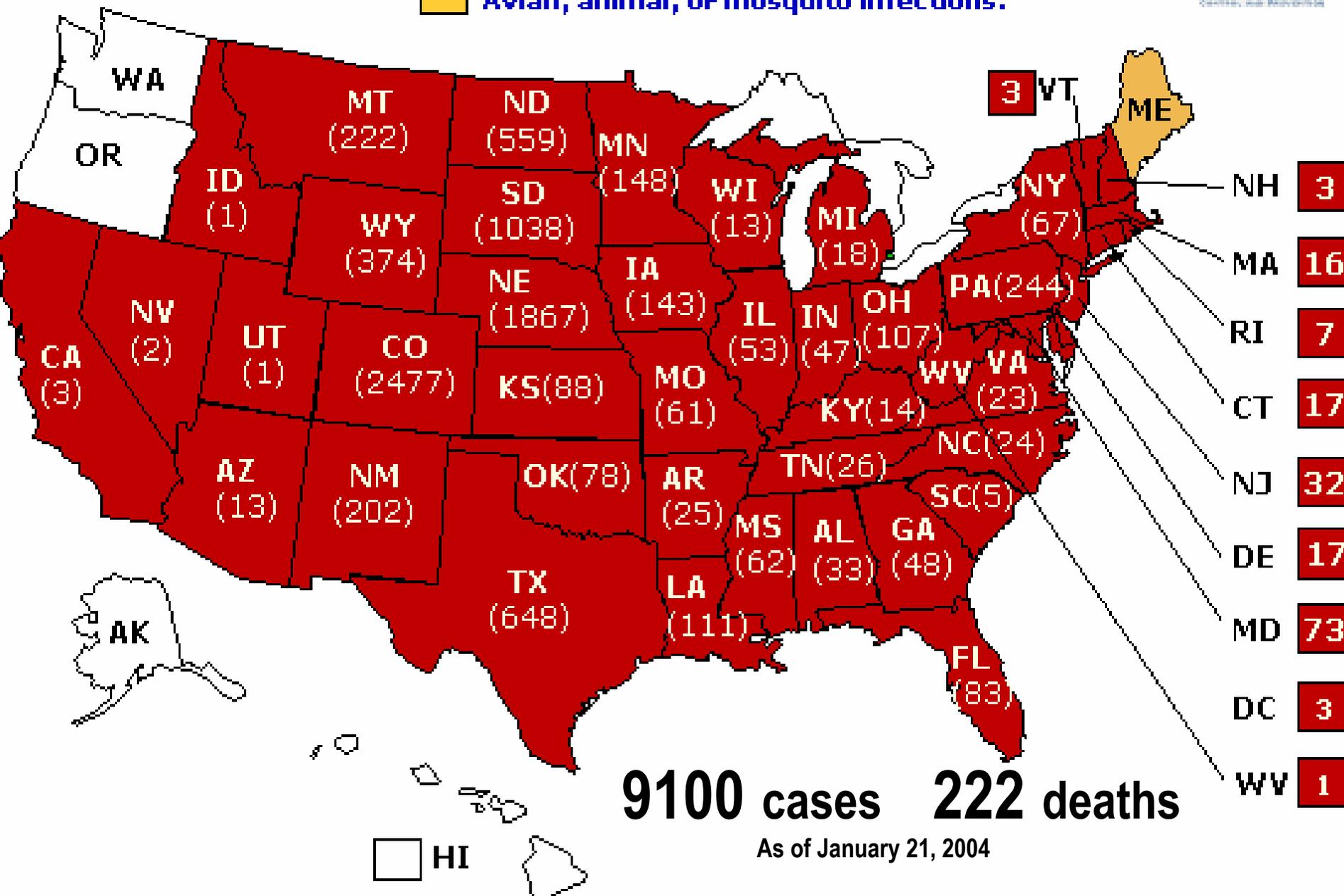


SAFER • HEALTHIER • PEOPLE™



Indicates human disease case(s).

Yellow box indicates Avian, animal, or mosquito infections.



SMALLPOX



SAFER • HEALTHIER • PEOPLE™



1971

U.S. civilian vaccination stopped

SMALLPOX

2003

38,257 civilians vaccinated

(as of 8/8/03)



SAFER • HEALTHIER • PEOPLE™





SAFER • HEALTHIER • PEOPLE™

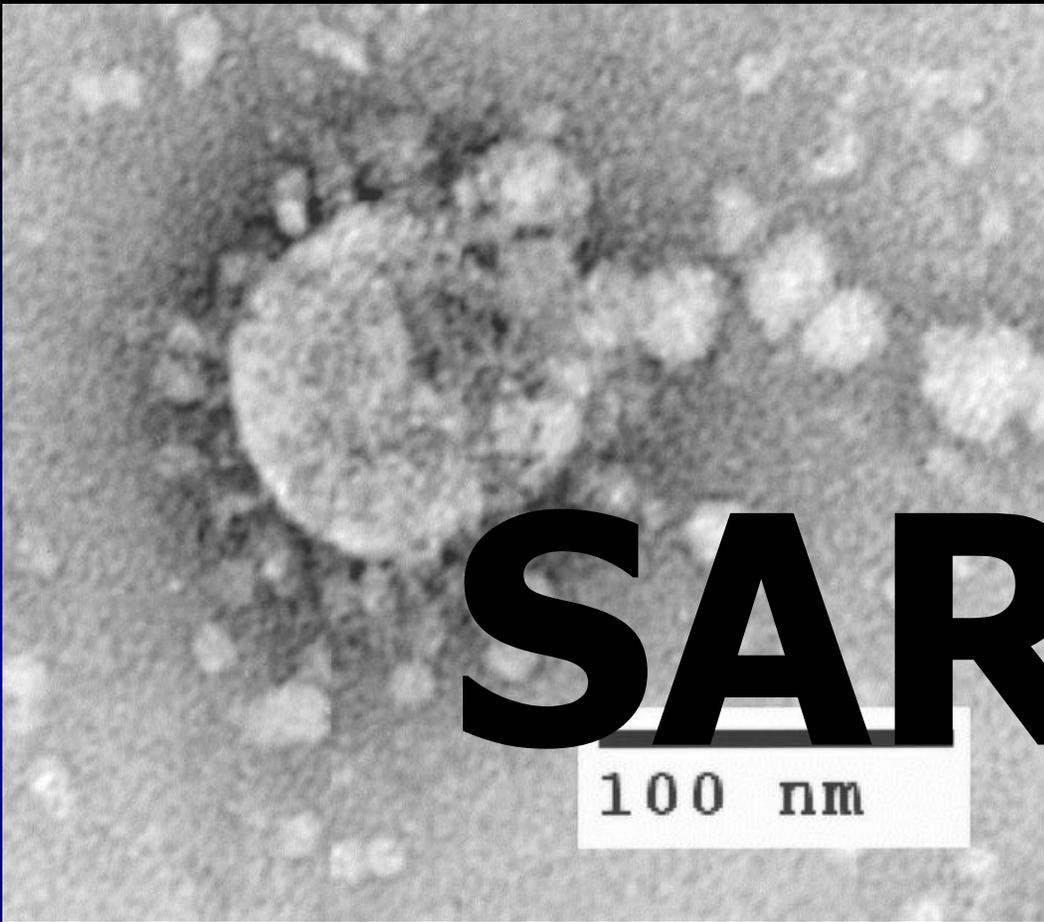


SARS



SAFER •





8437 cases worldwide

813 deaths

SARS

33 U.S. cases

No Deaths

(plus 159 "suspect" cases)



SAFER • HEALTHIER • PEOPLE™





SAFER • HEALTHIER • PEOPLE™



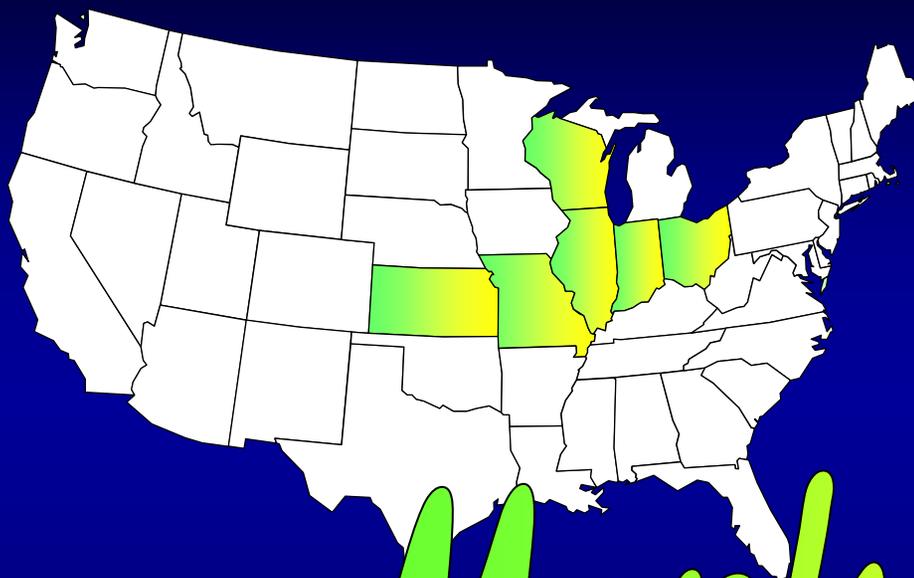
PUBLIC HEALTH



Monkeypox



PUBLIC HEALTH



72 total U.S. cases

37 lab-confirmed

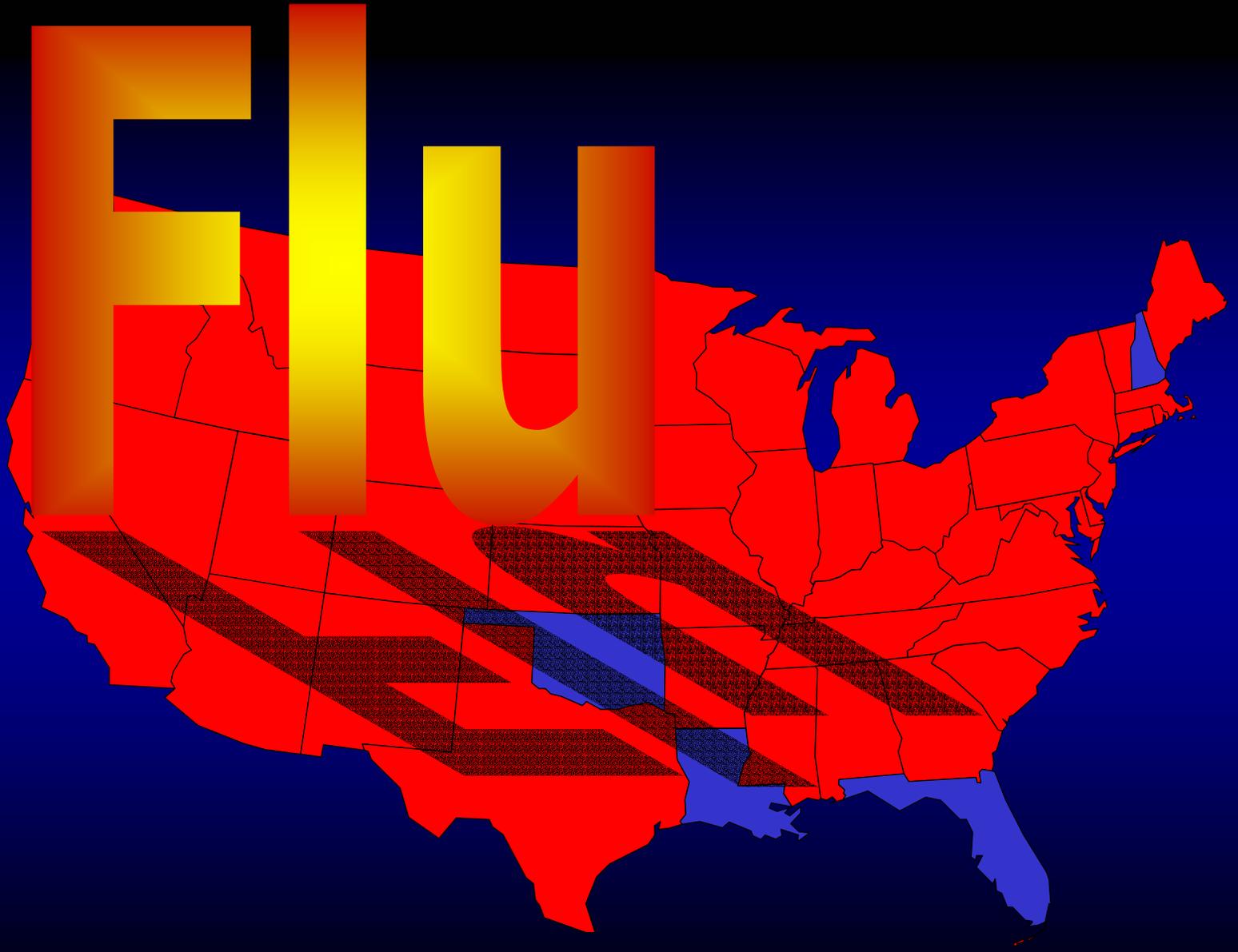
35 suspect/probable

Monkeypox



SAFER • HEALTHIER • PEOPLE™



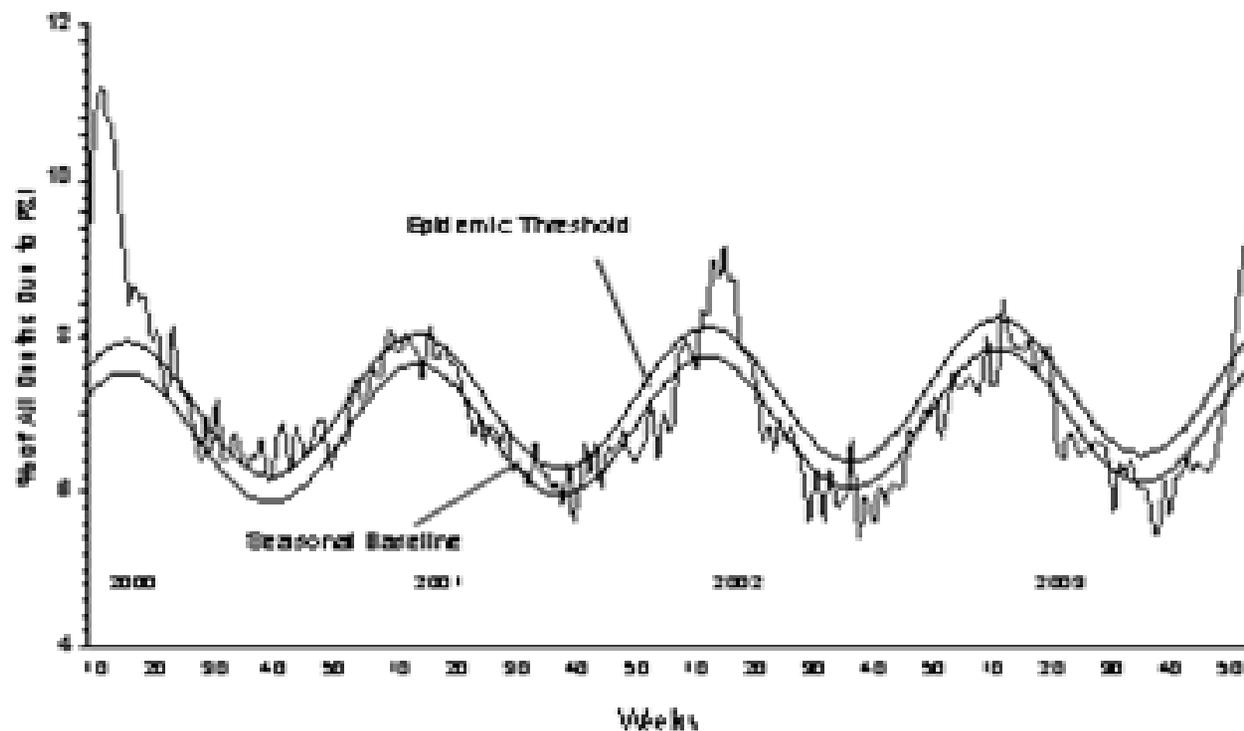


SAFER • HEALTHIER • PEOPLE™



Pneumonia and Influenza Mortality for 122 U.S. Cities

Week Ending 01/17/2004

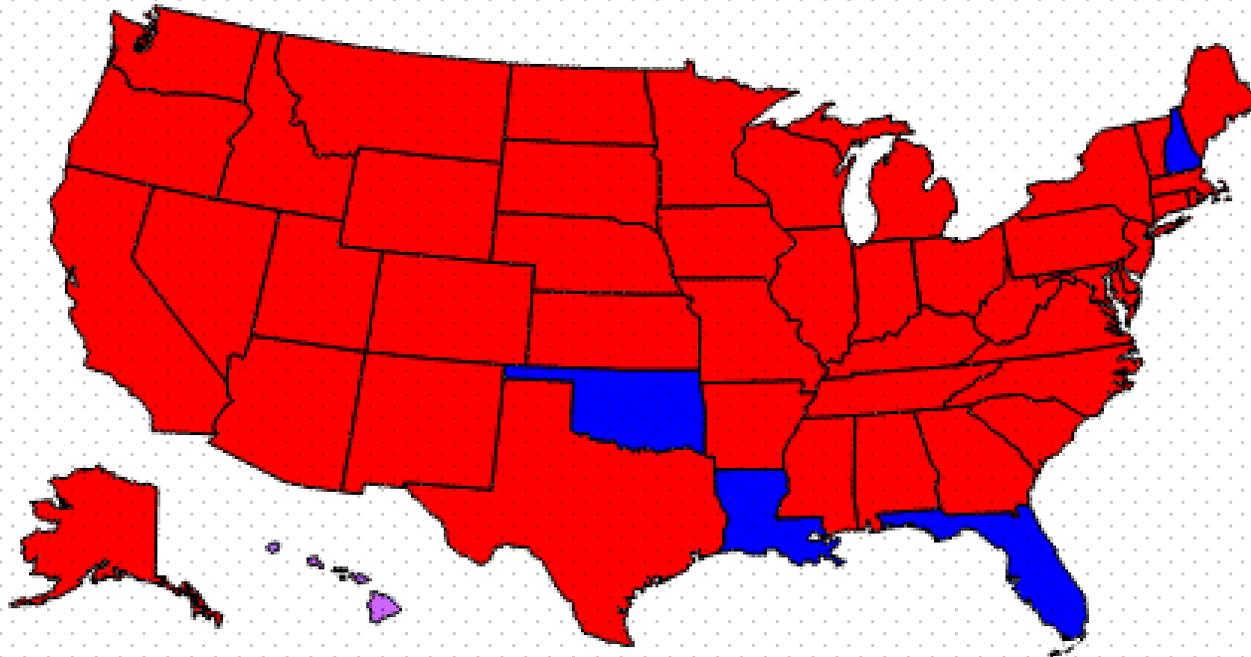


SAFER • HEALTHIER • PEOPLE™



Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists

Week ending December 20, 2003 - Week 51



No Report



No Activity



Sporadic



Local Activity



Regional



Widespread



SAFER • HEALTHIER • PEOPLE™



In Colorado, Flu Outbre

Flu Shot Demand Rises Sharply

lled at Least 5 Children

Vicious flu strain hits nation early

Shortage of Flu Shots Prompts Rationing

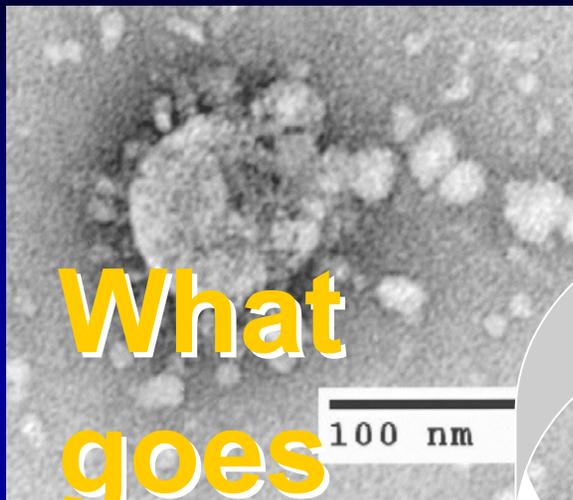
Vaccine Being Reserved For Highest-Risk Patients



SAFER • HEALTHIER • PEOPLE™



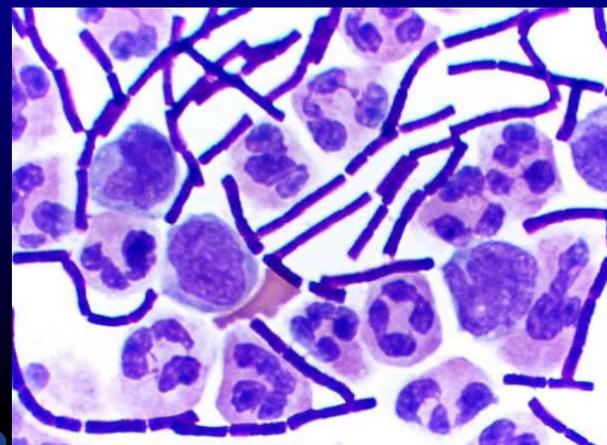
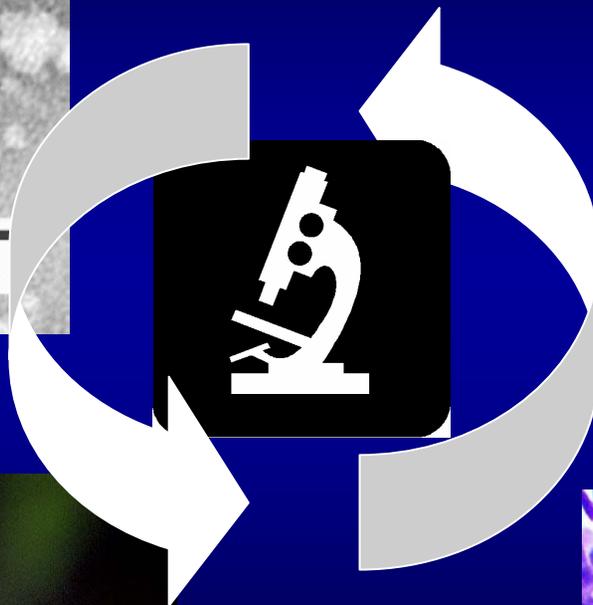
PUBLIC HEALTH



What goes around



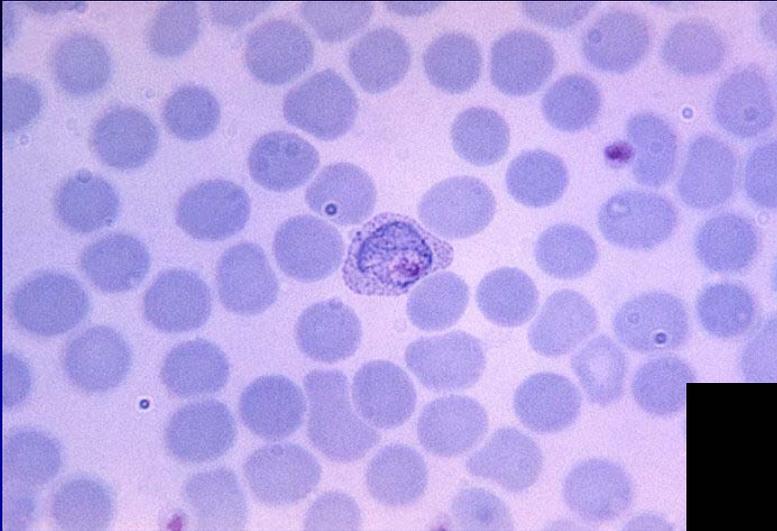
Comes around



SAFER • HEALTHIER • PEOPLE

Old Public Health Threats

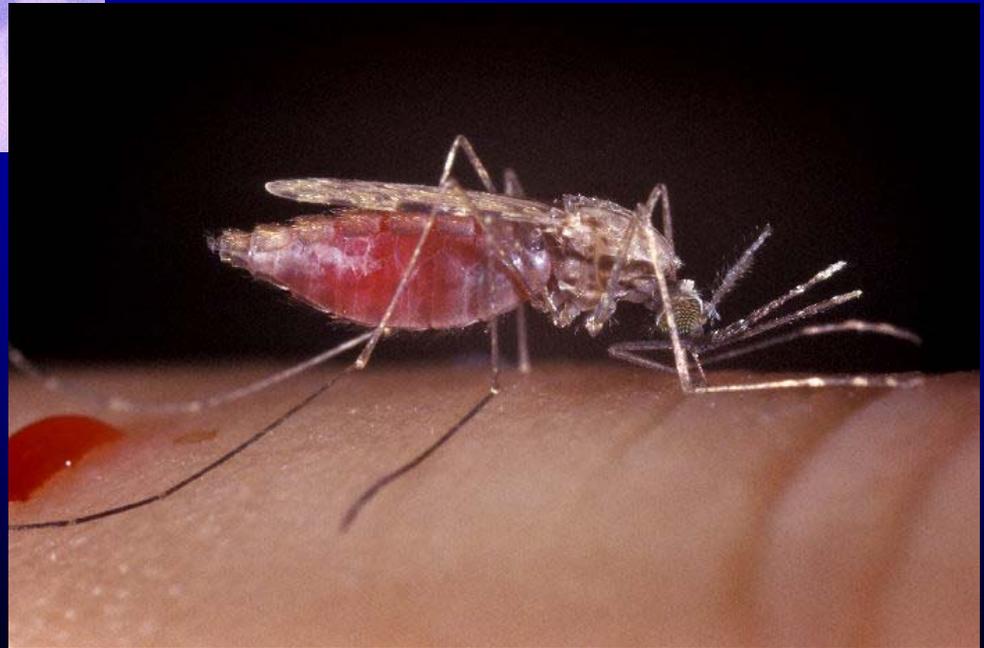
The Vector



The Microbe

Malaria

Plasmodium vivax



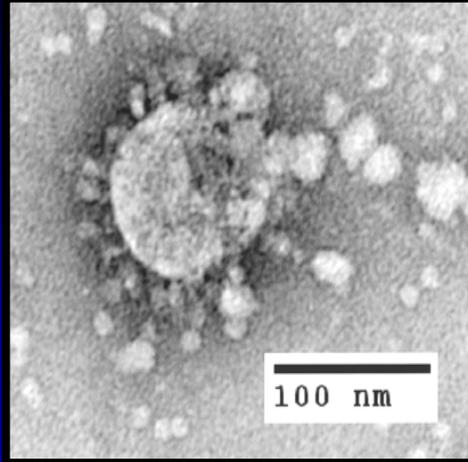
SAFER • HEALTHIER • PEOPLE™



New Public Health Threats

The Vector

“Travel from a SARS affected area & having an exposure to a person infected with SARS”



The Microbe

Coronavirus, SARS-CoV

A new, severe respiratory illness that has been reported worldwide.



SAFER • HEALTHIER • PEOPLE™



**“They fancied themselves free,
and no one will ever be free so long
as there are pestilences.”**

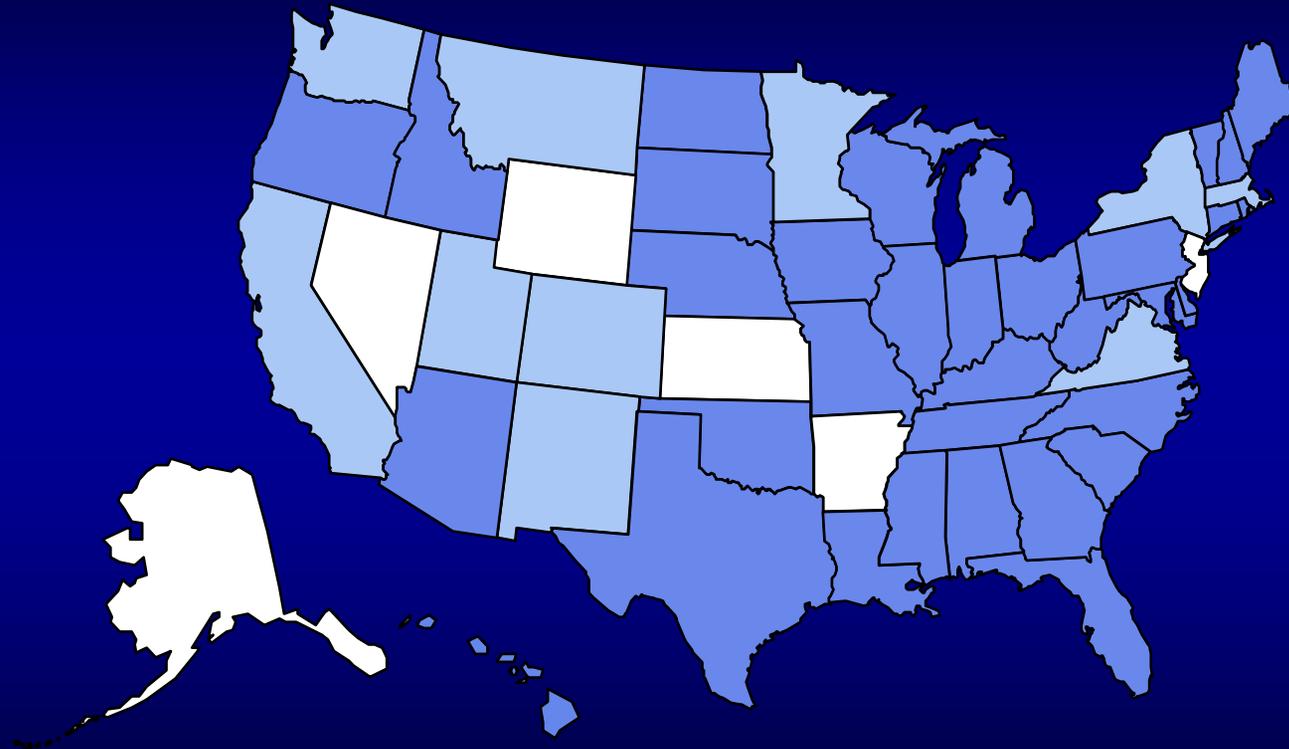
- Albert Camus, *The Plague*



SAFER • HEALTHIER • PEOPLE™



Obesity Trends* Among U.S. Adults BRFSS, 1990



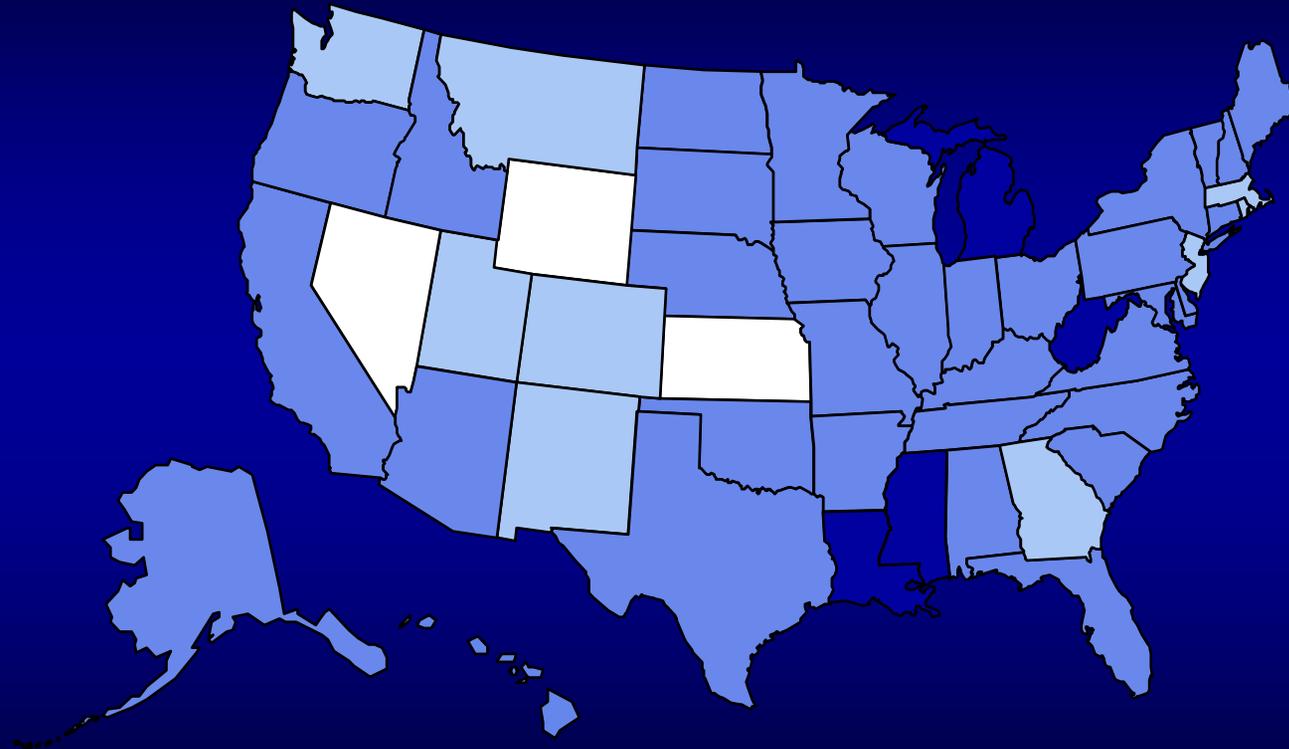
■ No Data ■ <10% ■ 10%-14% ■ 15%-19% ■ 20%-24% ■ ≥25%



SAFER • HEALTHIER • PEOPLE™



Obesity Trends* Among U.S. Adults BRFSS, 1991



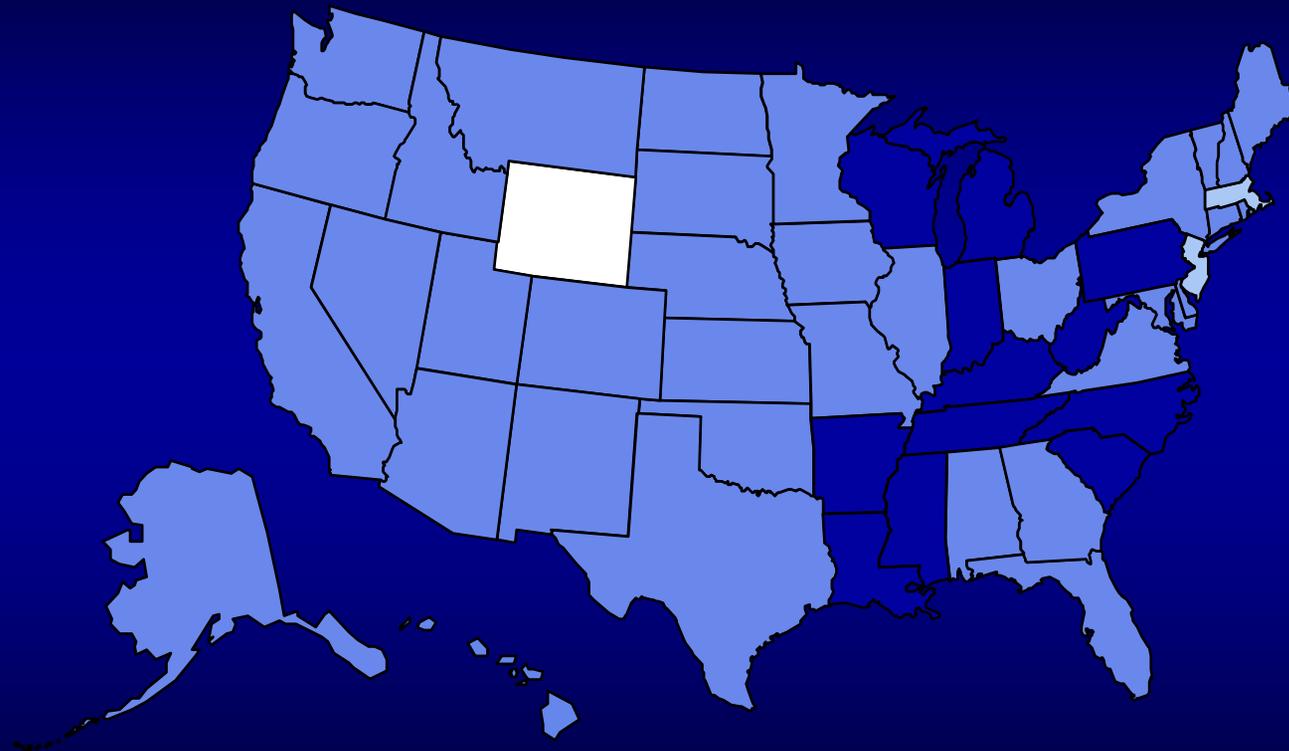
■ No Data ■ <10% ■ 10%-14% ■ 15%-19% ■ 20%-24% ■ ≥25%



SAFER • HEALTHIER • PEOPLE™



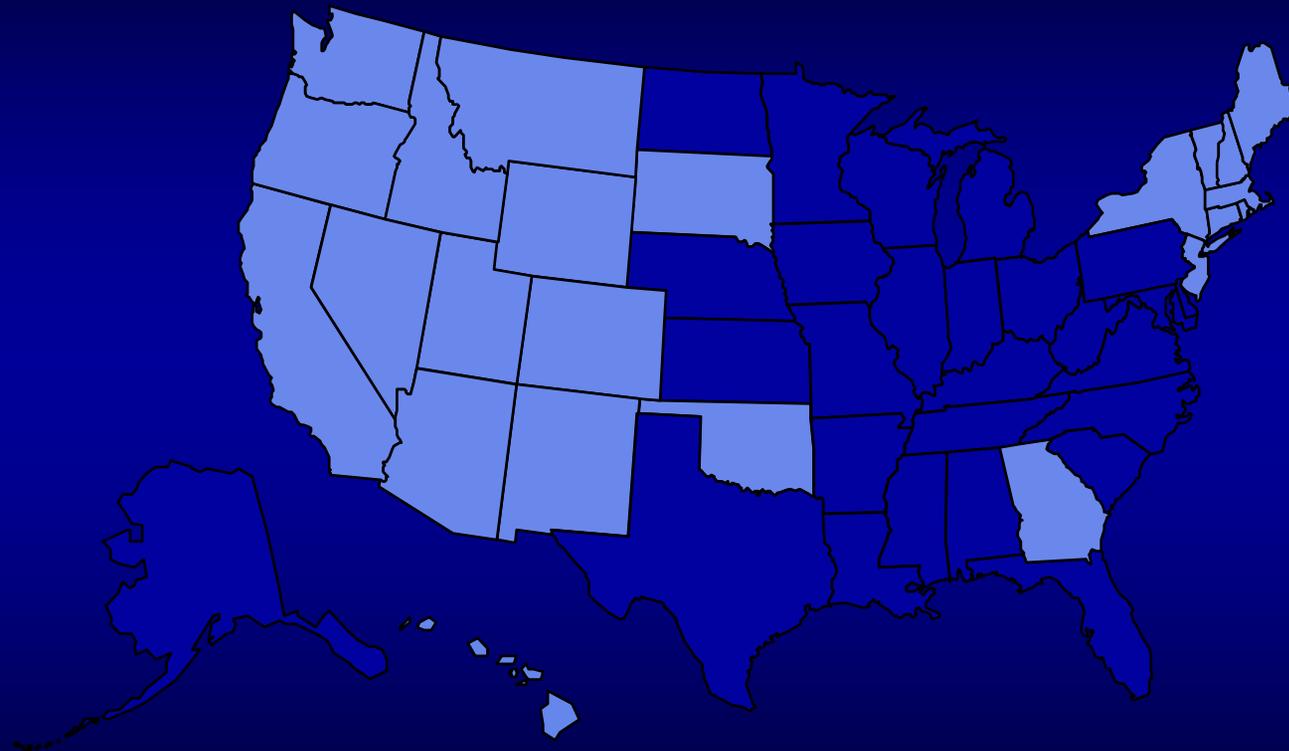
Obesity Trends* Among U.S. Adults BRFSS, 1993



SAFER • HEALTHIER • PEOPLE™



Obesity Trends* Among U.S. Adults BRFSS, 1995



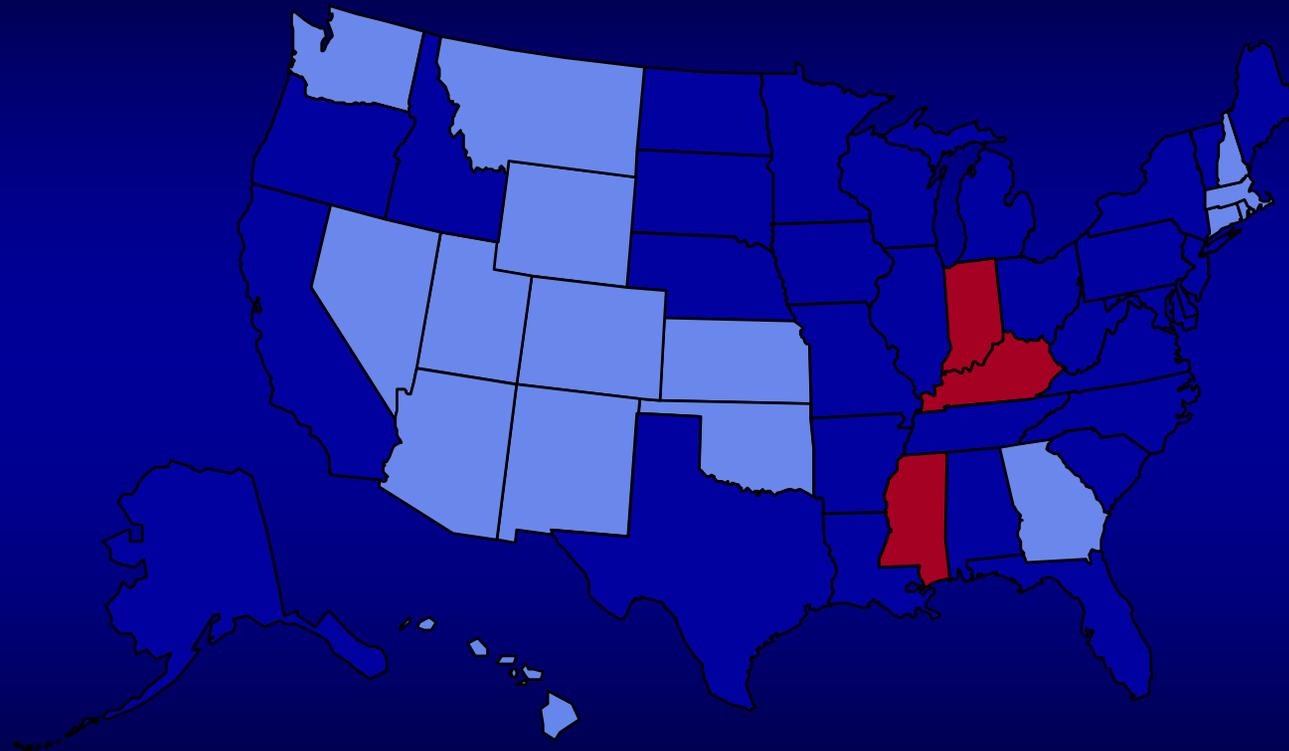
■ No Data ■ <10% ■ 10%-14% ■ 15%-19% ■ 20%-24% ■ ≥25%



SAFER • HEALTHIER • PEOPLE™



Obesity Trends* Among U.S. Adults BRFSS, 1997



■ No Data ■ <10% ■ 10%-14% ■ 15%-19% ■ 20%-24% ■ ≥25%

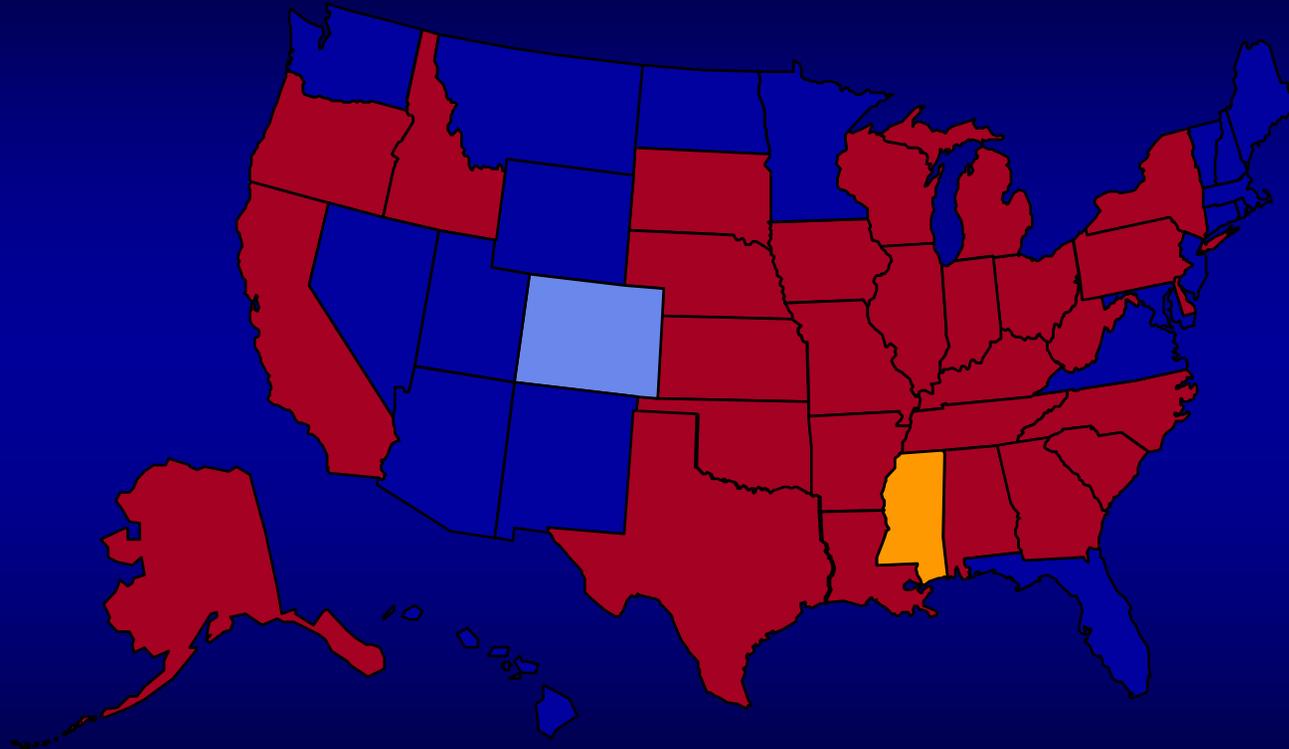


SAFER • HEALTHIER • PEOPLE™



Obesity Trends* Among U.S. Adults BRFSS, 2001

(*BMI ≥ 30 , or ~ 30 lbs overweight for 5'4" woman)



■ No Data ■ <10% ■ 10%-14% ■ 15%-19% ■ 20%-24% ■ ≥25%

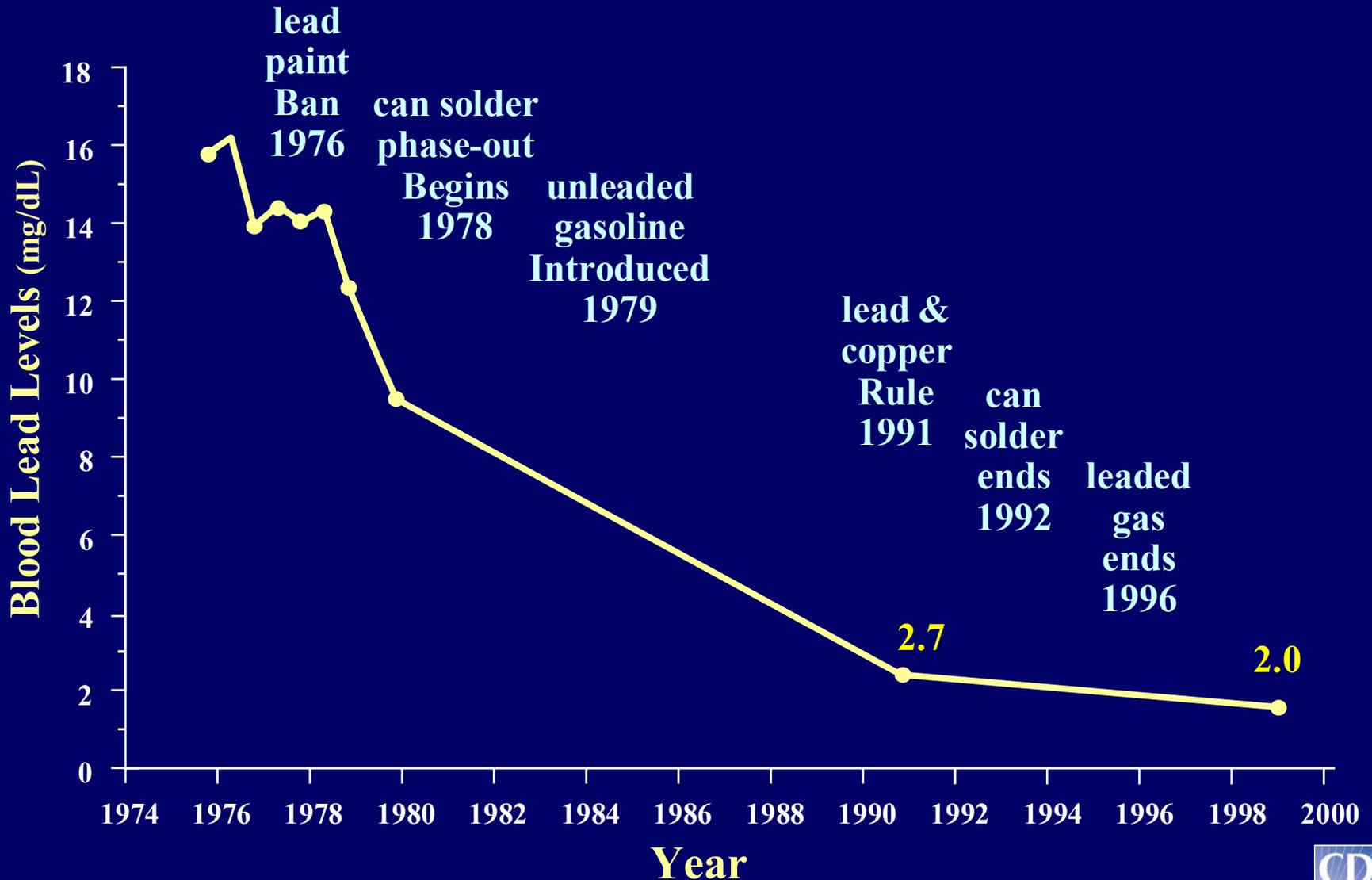


SAFER • HEALTHIER • PEOPLE™



Blood Lead Levels in the U.S. Population 1976–1999

NHANES II, III, 99+



The New Normal



SAFER • HEALTHIER • PEOPLE™



The New Normal

- ◆ Preparedness and Response to Emergencies
- AND*
- ◆ Protection of Health from Predictable Threats



SAFER • HEALTHIER • PEOPLE™



The New Normal

◆ Preparedness and Response to Emergencies

AND

◆ Protection of Health from Predictable Threats

- ◆ Chronic diseases
- ◆ Environmental threats
- ◆ Injury



SAFER • HEALTHIER • PEOPLE™



The New Normal



SAFER • HEALTHIER • PEOPLE™



The New Normal

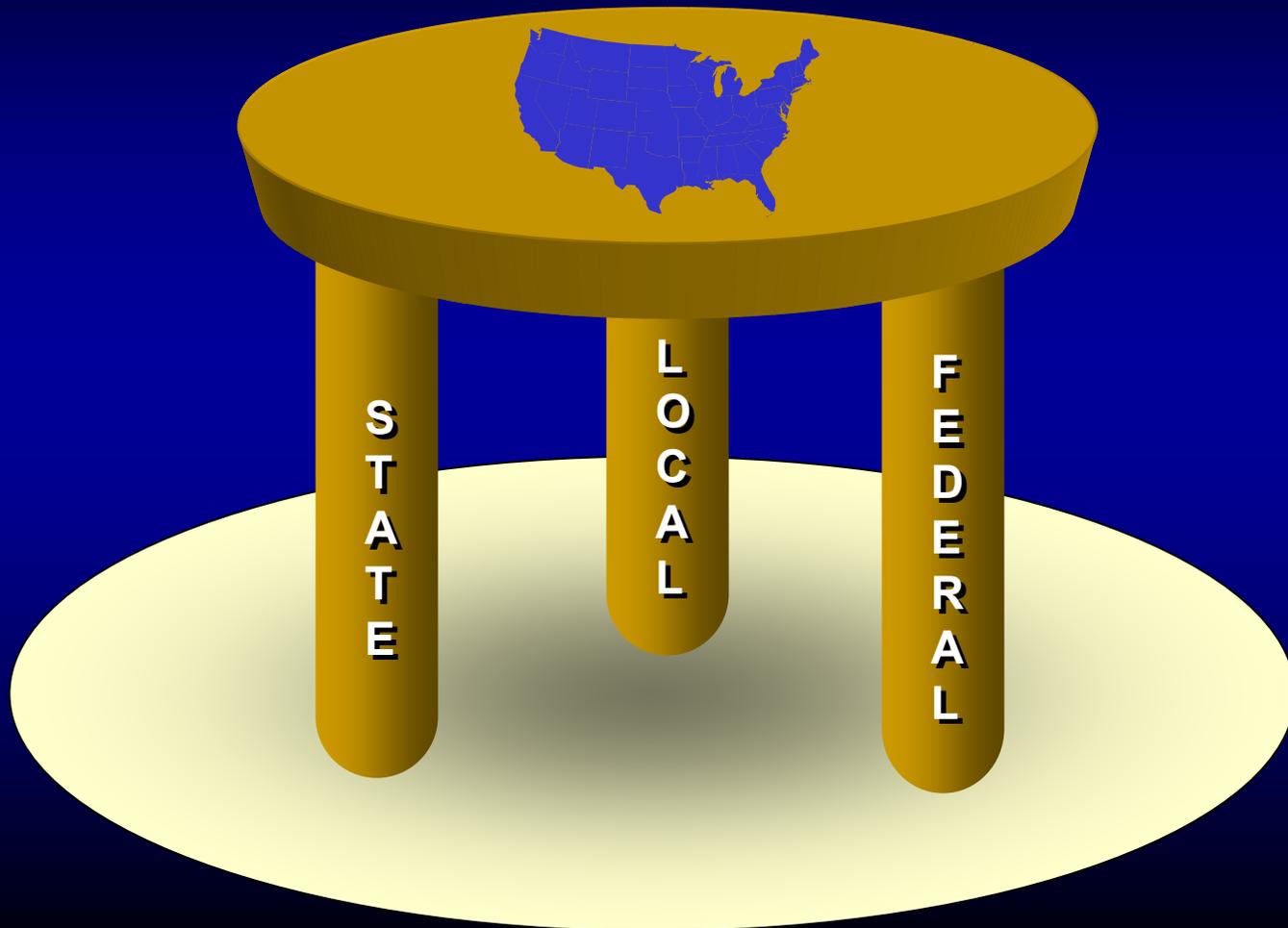
The Old Normal That Ain't Gonna Change



SAFER • HEALTHIER • PEOPLE™



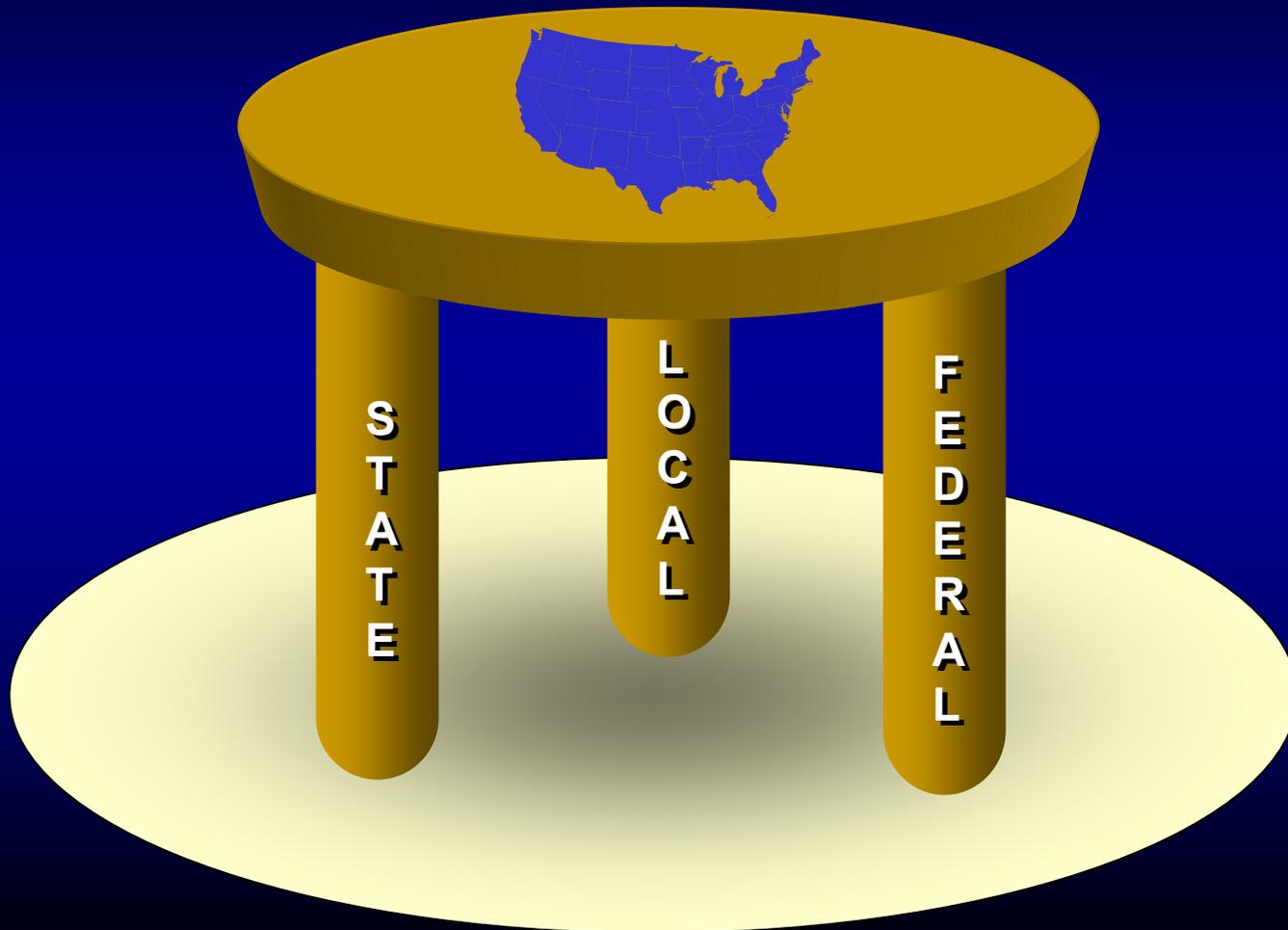
The American Public Health System



SAFER • HEALTHIER • PEOPLE™



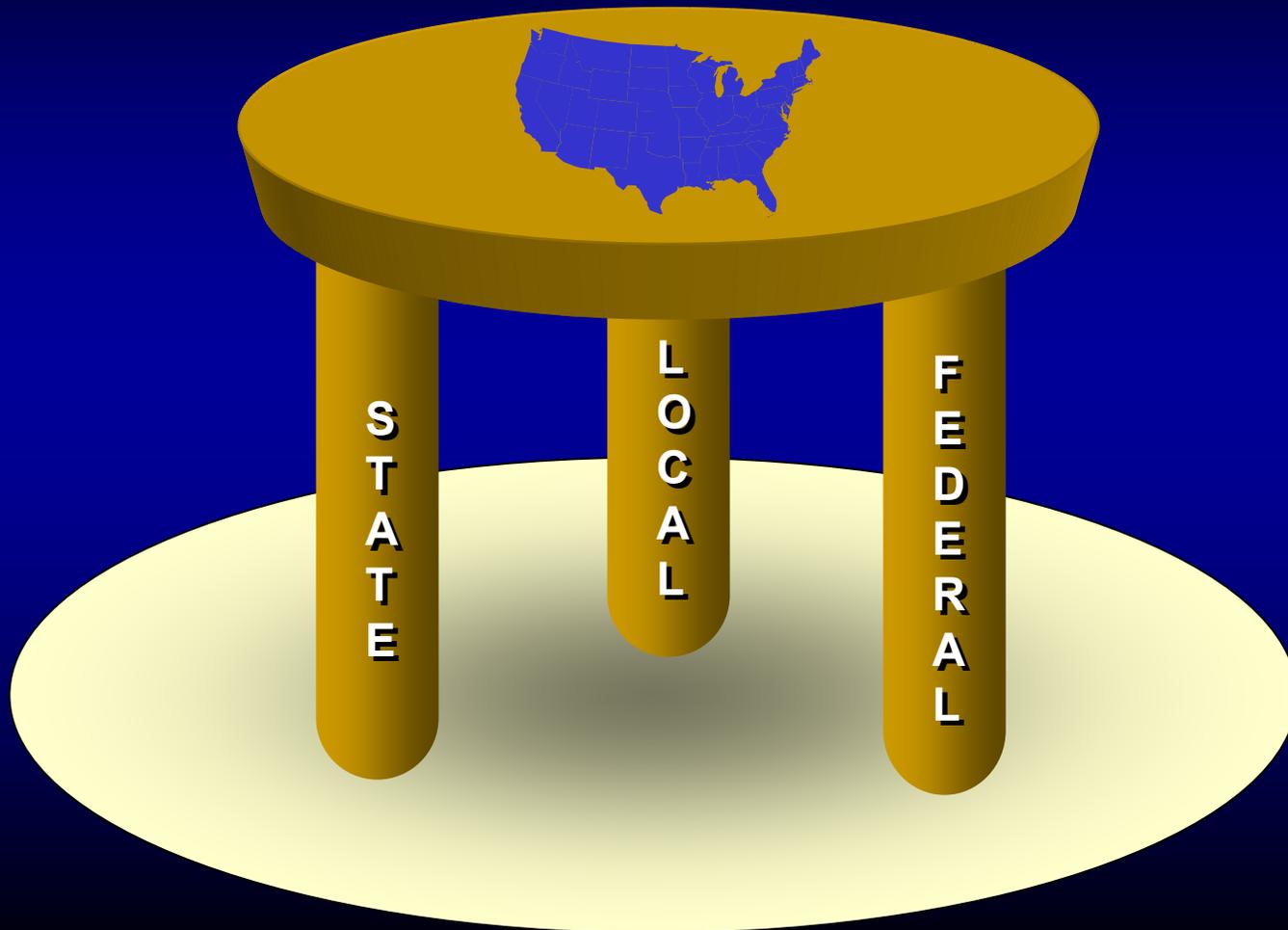
The American Public Health System



SAFER • HEALTHIER • PEOPLE™



The American Public Health System



SAFER • HEALTHIER • PEOPLE™



The New Normal

The Old Normal That Ain't Gonna Change



SAFER • HEALTHIER • PEOPLE™



The New Normal

The Old Normal That Ain't Gonna Change

The Imperative for CDC to Change



SAFER • HEALTHIER • PEOPLE™





**CENTERS FOR DISEASE™
CONTROL AND PREVENTION**



SAFER • HEALTHIER • PEOPLE™



CDC's Futures Initiative

Ideas...Input...Implementation...Impact



SAFER • HEALTHIER • PEOPLE™



Why Change?

✿ By modernizing its strategy, CDC can enhance its overall impact on the health status of the public.



✿ CDC must work to sustain our reputation as the premier public health agency within HHS.

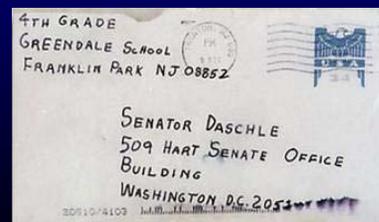


SAFER • HEALTHIER • PEOPLE™



Ready for Challenges of the 21st Century

- Aging population
- Increasing diversity
- Escalating health costs
- Changes in access to health care services
- Health disparities
- Global threats
- Terrorism
- Epidemic effects of chronic diseases



SAFER • HEALTHIER • PEOPLE™



New Strategic Goals

Preparedness: All communities will be protected from infectious, environmental, and terrorist threats.

Health promotion and prevention of disease, injury, and disability: All people will achieve their optimal lifespan with the best possible quality of health in every stage of life.



SAFER • HEALTHIER • PEOPLE™



Strategic Imperatives

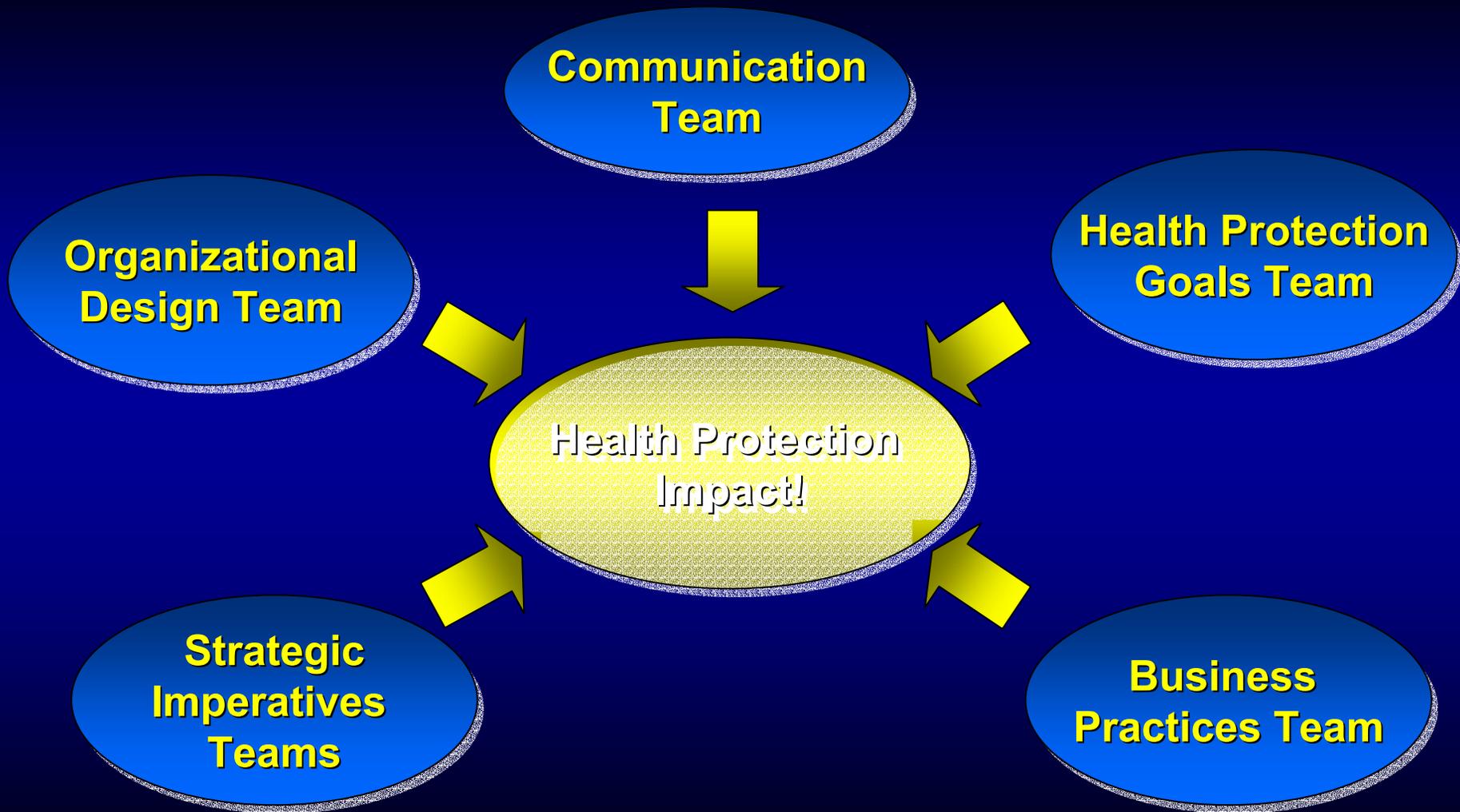
- **Customer-focus**
- **Public Health Research**
- **Leadership for the nation's health system**
- **Increased focus on Global Health**
- **Effectiveness and Accountability**



SAFER • HEALTHIER • PEOPLE™



Implementation



SAFER • HEALTHIER • PEOPLE™



Communicate

Check Futures Updates at
the Futures Initiative
Internet Web site:
www.cdc.gov/futures

Contribute your questions
and comments at
futuresgroup@cdc.gov.

CDC-The Futures Initiative - Microsoft Internet Explorer

Address <http://www.cdc.gov/futures/>

CDC Home Search Health Topics A-Z

Office of the Director
The Futures Initiative
Creating the Future of CDC for the 21st Century

Home > Office of Director

Futures Initiative Update

 As the nation's leading agency for protecting the health of Americans, CDC has an important role to play in support of the overall mission of the Department of Health and Human Services. Since June 2003, CDC has been engaged in a strategic transformation process, the Futures Initiative. The initiative was developed to take a fresh look at CDC and ensure that the agency will continue to have the capacity to protect and improve the health of the American people in the 21st century. The primary motivation for the Futures Initiative was the belief that by modernizing its strategy, CDC could enhance its overall impact on the health status of Americans.

Dr. Gerberding
Director

Powerful forces are affecting our nation's health including an aging population, escalating health costs, increasing population diversity, changes in access to health care services, health disparities, global connectivity, and global threats, terrorism, and epidemic chronic diseases including cardiovascular disease, obesity, and diabetes. In addition, new opportunities for increasing CDC's impact on health have emerged, including health information technology, global communication capabilities, new rapid diagnostic tools, and public health genomics.

The process underlying the Futures Initiative will preserve CDC's excellence in science, its reputation as a credible and trustworthy agency, and the quality of its workforce. We will strive to provide better service to our partners, customer, and stakeholders and to



SAFER • HEALTHIER • PEOPLE™





**CENTERS FOR DISEASETM
CONTROL AND PREVENTION**



SAFER • HEALTHIER • PEOPLETM



www.CDC.gov



SAFER • HEALTHIER • PEOPLE™

